

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: Jeffrey Hetherington <jhetheri@freenet.npiec.on.ca>
Subject: [7672] 30M Study
Message-ID: <Pine.SGI.3.91.960425102218.2062B-100000@freenet.npiec.on.ca>

Hi gang. I was wondering if there are any General Class guys on the list that are going to be competing in the 30M Study? I assume there will be so I would like to issue a fun gentlemanly challenge. I picked the General Class group since their code speed is at the same level as mine (Don't want any *unfair* advantages). Hopefully this challenge will help motivate us, and increase our speeds while we are at it.

If you are interested, email me. Challenge based on States, DXCC, etc...we'll work something out.

>From what I've seen/read, a challenge is OK for the study. If I've overstepped the bounds, please let me know.

73/72.

Jeff - VA3JFF

=====
L. JEFFREY HETHERINGTON
Niagara Falls, Ontario, Canada
E-Mail : jhetheri@freenet.npiec.on.ca

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: Rick Zabrodski <zabrodsk@med.ucalgary.ca>
Subject: [7659] 40-9er off life support in Calgary
Message-ID: <Pine.SUN.3.93.960424224644.283B-100000@ume>

VX0 did not work until I put the capacitor in the right way. Easy fix. Solved the "no output" problem once I correctly soldered the final PA torroid in place. (I now have enough experience to know where I have likely goofed!) Got about 450 milliwatts out with 12.1 volts. Changed C20 to 180 pf. Better, not best, but close enough I guess.

Heard K5LMN calling CQ. He came back to my first call but then I lost him to QSB. Exciting "almost" contact none the less!

Well, we tell medical students: "Watch one, do one teach on." Hopefully we will have a few more Calgary units on the air shortly.

Thanks to Wayne and Doug. I was thinking about putting the little rig inside my home brew Z match and SWR box and calling it a "Tuner with a

built in 40M transiever"! What do you think? Points for originality? ;-)

BTW, I compared this little state of the art "simple rig" with an "equivilent circuit" from 10 years earlier.

I recently built the 5 transistor FOXX transiver that had been published in SPRAT in 1985 or thereabouts. No QSK. Simpler DC reciever and about the same output. The 409er reciever wins hands down!

(Those NE602's were not around in 1984 or available for QRP cirucits no doubt!)

Anyway, has anybody tried putting this rig on 20 meters? Wayne, am I defying some law of physics by asking this question?

Dr. Rick Zabrodski BSc, MD, CCFP(E) MRO * VE6GK
Clinical Assistant Professor * NorCal 519 ARCI 7650 GQRP 8329
Faculty of Medicine, Univ. of Calgary * "Power is no substitute for skill"

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
Subject: [7675] 40-9er Thanks
Message-ID: <Pine.OSF.3.91.960425085108.7569H-100000@duke.usask.ca>

Thanks to everyone who answered my questions. As far as I can tell, the 40-9er is working. I haven't made any contacts yet :-(but I will keep trying and hope to soon. I have been trying to keep a sked with a friend to transmit at 11:00 pm CST (5 AM UTC I think). So perhaps if you listen some night at that time you will hear me on.

BTW I was thinking of taking an old "walkman", salvaging the amplifier and hooking the output of the 40-9er to the part where the tape head is, to have a portable battery powered amplifier. Has anyone ever done this?

```
+-----+
| Brian Buydens, Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca |
| VE5RDV |
+-----+
| Albert Einstein, when asked to describe radio, replied: "You see, wire |
| telegraph is a kind of a very, very long cat. You pull his tail in New |
| York and his head is meowing in Los Angeles. Do you understand this? |
| And radio operates exactly the same way: you send signals here, they |
| receive them there. The only difference is that there is no cat." |
+-----+
```

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: cmassey@airmail.net (Cleve Massey)
Subject: [7681] 624 address
Message-ID: <v02140b00ada6af523180@[206.66.14.24]>

Anyone have an e-mail address for 624 KITS???

Or a snail-mail address and fone number will do...

many tnx....

cleve/wd5bor

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: ccashion@spdmail.spd.dsccc.com (Charles Cashion)
Subject: [7687] 624 address
Message-ID: <9604251806.AA07524@sun1336.spd.dsccc.com>

Hi Cleve!

Phil, KE3FL recently posted the following info

624 Kits
171 Springburg Dr.
Spartanburg SC 29302
voice: 803-573-6677

Where you gonna be Saturday morning?

Charles

ac5gt

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: Clark Savage Turner WA3JPG <turner@safety.ics.uci.edu>
Subject: [7685] Antenna switch - the bane of my front end?
Message-ID: <26218.830453125@safety.ics.uci.edu>

Geez, anyone understand this? I sent a note about my B&W antenna switch seeming to introduce all sorts of garbage to my receivers coming through it due to strong local AM BC. It goes away if I connect my antenna directly though to my receivers. It also goes away if I put a good bandpass tuner in line.

I have a 450 foot loop fed with coax. It is up at 35 feet or so.
It hears AM BC really well.

Now, speaking of the tuner....I tried putting my radios in through my tuner with its switch in the "through" position (the B&W is already in the junk box destined for a swap meet). Its....baaaaack! The crud comes back with use of the switch in my MFJ Diff-T tuner, too!

Will any antenna switch somehow enhance the destructive force of AM BC signals to the front ends of my receivers? It is not a characteristic of the receiver, it happens with my OMNI VI as well as lower forms of receiver :-)

This never happened with my Zepps. I guess they didn't haul in the volts from the ether like this one does.

Clark
WA3JPG

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: JayMiller@aol.com
Subject: [7711] Archive URL
Message-ID: <960425222417_478520848@emout07.mail.aol.com>

Dear Fellow QRP Enthusists;

I have noticed quite a few repeats of questions, that the answers were posted a few days prior. If You don't want the gadzillion email messages, in Your' unread mail folder, try the following URL;

<http://www.lehigh.edu/lists/archives/qrp-1/>

With the appropriate web browser (Netscape 2.0+), You can search through the archives rather quickly, for specific items of interest.

T-1 day to QTTF.

(1/2 wit with 1 watt)

72...Jay, WA5WHN/qrp April 27th, Riley, NM

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: Clark Savage Turner WA3JPG <turner@safety.ics.uci.edu>
Subject: [7701] bane of my front end...
Message-ID: <29303.830469890@safety.ics.uci.edu>

Thanks for all the comments and suggestions. I hadn't explained all of it, the full story includes:

1. Two different switches involved, neither is dirty, old or pitted. Both have been cleaned using DeOxit and worked regularly. I do not suspect either switch. I used them on different occasions to find that each time the switch seemed to make the crud appear.
2. I have used different coax from the switch (or tuner with switch) and the rigs. That was a good thought, that my coax might be wacky...
3. My ground is pretty good, and is the same ground with the antenna going through a switch or not. This does not appear to be the difference. Both boxes used are physically sound, and the screws connecting the surfaces have been moved on a regular basis.

There was one theory that the AM BC might be so bad that it is literally coupling back through the switch spaces or something like that. I may just test this theory, creating an opening in a coax splice and moving other metal and ground near to it to see how it affects things.

Thanks again to all.

Clark
WA3JPG

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: JEVERHART@cayman.vf.mmc.com
Subject: [7684] Enthusiasm take II
Message-ID: <960425132457.2421d106@carib.vf.mmc.com>

Gang,

Wow, antennas, radios, log sheets, hot dogs, bagels, hamburgers, condiments, water, operating frequencies, screen houses, operators, helpers, callsigns and even a weather report.

Does this ever sound like a snowball rolling down the mountain gathering speed as it goes, or what! Thiose Zuni loopers better just watch out for us Jersey QRPeaNUTS!

72/73,

Joe E., N2CX

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: dgf@netcom.com (David Feldman)
Subject: [7713] FDIS Earlybird's dinner/drinks/etc. 6PM Wednesday
Message-ID: <199604260253.TAA00220@netcom13.netcom.com>

"David D. Meacham" <ddm@datatamers.com> writes,

>Stan, K4DRD, & I will be arriving Wed. eve also. How about a 2-meter
>get-together frequency?
>72, Dave, W6EMD

OK, I kinda started this, so I'll "finish" it... I'd like to suggest an informal dinner/drinks/etc. starting about 6PM Wednesday. I'd suggest people there IRL (in real life) congregate in the DISD (days in south dayton) lobby at 6PM wednesday; we'll pick a QTH and depart by 6:30. I don't have a good idea for a 2M call-in frequency - I know nothing of local repeaters. If simplex, perhaps 146.445, in honor of the Denver, Colorado Simplex frequency inhabited by local QRP'ers. In any event, once a QTH is chosen, I'll leave a sign or other announcement in the lobby as to where we end up. Suggest 6PM as the next morning proceedings are real early.

Any other ideas, I'd be glad to adjust the plan...

Please: e-mail input on this idea, and I'll make a formal posting by Sunday 4/28.

73 Dave WB0GAZ dgf@netcom.com

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: Paul Harden <pharden@aoc.nrao.edu>
Subject: [7714] FINAL QRP Afield Locations
Message-ID: <199604260252.UAA01672@zia.aoc.nrao.edu>

Been on vacation all week, but came in tonite to clear the email and update the QRP AFIELD list. Hope I got everyones email on the subject (over 300 emails in the cue!). Will be packing the jeep tomorrow (friday) and hauling everything out to Riley. Jay Miller WA5WHN will be bringing down Doug KI6DS and Chuck K5FO when they arrive in Albuquerque late friday nite. Tim Pettibone AB5OU and xyl will be arriving saturday morning, along with the rest of the Socorro and Albuquerque QRPers. If you don't work at least one of us in Riley, something's wrong. If I get everything setup before sundown, will be working 40M CW friday nite. Will be sitting in the ghost town all by myself lonesome until Jay, Doug and Chuck arrive after midnite. I may be insane (well, more insane) by saturday. EVERYONE HAVE FUN AND GL WITH THE CONTEST. I hope the Riley Ghost Busters gets to work you all (we're not being friendly ... just need the points!). Take photo's and send to Doug for the June QRPp asap. Deadline is May 1. I'm sure there will be additional info in the following issue, but it will be history by then.

List follows ----- (cut here) -----

QRP AFIELD APRIL 27, 1996 - Locations of club or individual activity in alphabetical order by state/province.

CALL	OP(s)	SPC	Club affil.	QRP AFIELD LOCATION/comments
VE6DN	Rick	ALB	NorCal	Nr Catherine, Alberta
W5VBO	Brian	AZ	ScQRPions	White Tanks nr Litchfield
NQ7K	Mike	AZ	ScQRPions	" (west of Pheonix)
NQ7X	Floyd	AZ	ScQRPions	"
AB7PF	Steve	AZ-NM	*****	AERONAUTICAL MOBILE OPERATION flying a
KC70MT	Steve			loop from Phoenix, Riley, Albuquerque,
AB7LL	Ron			back to Pheonix.
				2M ... 146.52 simplex, alt. 146.53
				40M ... 7.051 +/- QRM
AA7QY	Roger	AZ	ScQRPions	Big Dry Wash, Mogollon Rim, AZ
AA7TQ		AZ	Act II ?	(pronouced "moggie yone"), site of last
N7NXL		AZ		battle between Apaches and U.S. Army,
KI7MN		AZ		Gen. George Crook, commanding
KB5OB/6	Jim	CA	NorCal	Chilao Flats, 5300ft, San Gabriel mts.
WT6P	Grover	CA	NorCal	Malakoff Diggins - ghost town, world's
				largest hydraulic gold mine, abandoned
W0HEP	Rich	CO	CQC-1	Cherry Creek Reservoir - site of ancient
				Indian village, south of Denver

N2VPK	Mark	NY	Buffalo QRP Conn., opr nr Bethany, NY

KA2DQA	Lou	NY	BARK North Hampton Park
KE2DI	Keith		south of Spencerport, NY
KF2JC	Duane		(Will be their FD site also)
KF2XC	John		
WB2ELB	Evhen		

KU7Y	Ron	NV	Site pending (Area 51?)
NS80	Greg	OH	Waterloo Fire Lookout Tower

VA3JE	John	ONT	Durham From "Camp X" old WW-II secret training
VE3KQN	Jim	ONT	Region QRP base of British Intelligence Service,
VE3QDR	Brien	ONT	Club Special Operations Executive. (neat!)
VE3REP	Gary	ONT	(The .007 award?)

VE6GK	Rick	SASK	AERONAUTICAL MOBILE from solar powered
	"Doc"		glider along Canadian Rockies 20M SSB/CW

WA7FCU	Bob	UT	NorCal Canyonlands, USA (UT), about 1,000 feet
			above Colorado River on a high bluff.
KQ4AL	Grover	VA	Campsite, Blue Ridge Pkwy.
AA6LU/4	Ralph	VA	Jefferson's Digs, nr Charlottesville

AA1PB	Mill	VT	Gile Mt. Fire Lookout Tower, nr Norwich

N7MFB	Bill	WA	NWQRP Bush Pioneer Park, Bay Center, WA
W6EMT/7	Roy	WA	NWQRP Bush Park or from Bremerton, WA
KV9X/7	Brian	WA	NWQRP from near Seattle

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
 From: BERGESON@ppcc.colorado.edu
 Subject: [7697] For Sale
 Message-ID: <01I3YN51TKHU001SZ0@VAXF.COLORADO.EDU>

FOR SALE: QRP Plus transceiver. New and unused. I have the book,
 box, power cord, and microphone. \$500.00. I ship.

Hal Bergeson, W0MXY
 Colorado Springs, CO
 Phone: (719) 471-0238.

I would prefer that inquiries from those interested in

the rig come by telephone, evenings, after 8:30 PM MDT.

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: meh@cbsms1.cb.att.com (m.e.hartwell)
Subject: [7669] For Sale Ten Tec VFO
Message-ID: <199604251417.KAA11792@emsr1.emsr.att.com>

Hello All

Well in my quest to obtain enough money to purchase a new QRP+ I am going to offer my Ten Tec model 200 solid state VFO. In near mint condition. The VFO has out put on 80 and 40 meters and us used to double and triple or what ever for the other bands. I am asking \$70.00 and I will ship in the CON. U.S. I will get out the manual tonight and get the spec. sheet and have it here at work if anyone has any questions.

Marty

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: GREGOIRE@endor.com (ERNEST GREGOIRE)
Subject: [7693] GEL CEL CHG CLARIFICATION
Message-ID: <199604251922.PAA107114@nss2.CC.Lehigh.EDU>

On Wednesday Kevin wrote:

Subject: Re: Gel/Cell Charger Alert

THis is the Anli Power Station 7 amh gel-cell? I have one for my QRP rigs.
No good?

Tnx

73 Kevin KB2TEO

Hello Gang,

A clarification is on order here. First of all I am talking about a lunch box style of gel-cel charger/battery. It is called the "Portable Power Station model SB 152". That's all there is for nomanclature. It sells for \$49.95 and has a 7 AH battery.

It will work ok,if you consider the following:

1. Charge up the battery, and then disconnect the charging source, and then use the Power Station for whatever you want to power up.
2. Don't leave the charging source connected while you are using the battery for say, a QRP transceiver.
As the battery gets to full charge, the source voltage will find it's way to your rig.

In the case of a QRP+, the recommended voltage high limit is 15 VDC.
The SB 152 will let the solar panels 18 VDC into your rig.
Poof, and it's another opportunity for your rig to rack up frequent flyer miles to Gig Harbor. But that is a story for another time, sigh!!

de AA1IK N.E.-QRP-C. # 202 (Lead by example, It is better to)
 QRP-L member #95. (pull a string than it is to push it.)
Ernie Gregoire
RR 1 Box 221
Canaan, NH. 03741

New England QRP Club, information
available on request by sending me a
S.A.S.E. or via E-mail.

e-mail : GREGOIRE@ENDOR.COM
packet : AA1IK@WA1WOK.FN43FE.NH.USA

From owner-qrp-l@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: Aa4xx <aa4xx@nando.net>
Subject: [7664] KnightLite's 80M Net
Message-ID: <Pine.SUN.3.91.960425045554.7895A-100000@bessel.nando.net>

Hi Gang,

It was nice to hear both regulars and newcomers during the April 21st Knightlite's Net. Welcome to WJ9B (Will in Greensboro, NC), KS4YF (Paul in Greenville, NC), and KE4DWB (Fred in Roanoke Rapids, NC), all whom have joined us within the last two weeks.

Of course, it's always good to hear our regulars as well. During the

discussion period, Dave, WA4NID, reminded us about the upcoming Durham, NC hamfest in May. Dave also reported that he has finished building his 20M "Walking Stick" vertical, and he is now working on the 40M version, in preparation for QRP-to-the-Field and Field Day. Fred, KE4DWB, mentioned that he learned about the KnightLite's from our QRP booth at the Raleigh Hamfest, where we proudly displayed the ARCI banner.

My apologies to the very weak station who tried to QNI several times without success. Please keep trying..We'll make every effort to pull you through! The Knightlite's Net is open to all amateurs, QRO or QRP. We meet each Sunday night at 0200 UTC (10PM EDT) on 3710 KHz. The net speed generally runs around 10-15 WPM, but the Net Control Station will match whatever speed you check in with. If you're more comfortable with 5 WPM, then we'll gladly match it. We also like to get info from each check-in such as name, power output, and State.

We had two milliwatt check-ins this past Sunday--KS4YF at 200 mW and N3G0 at 500 mW. Well done, Paul and Gary. Paul will be receiving a special Knightlite's Milliwatt Award, which is received by the station who checks into the net with the least amount of power under one watt. Many stations remain quite readable week after week running in the one watt range, even with the Springtime QRN.

We hope you'll consider joining us this coming Sunday. Here's the QNS report:

Knightlite's QNS Report
April 21, 1996

AE4AZ	Ray	Hendersonville,	NC	559	QRO
AD4ZE	Warren	Cary,	NC	589	5 Watts
WA4NID	Dave	Durham,	NC	569	1 Watt
AA6UL/4	Ralph	Charlottesville,	VA	449	2 Watts
WJ9B	Will	Greensboro,	NC	599	1 Watt
KC4EWT	Dan	Herndon,	VA	339	1 Watt
KS4YF	Paul	Greenville,	NC	339	200 mW
W03B	Bob	Pasadena,	MD	339	4 Watts
N3G0	Gary	Raleigh,	NC	449	500 mW
KD4BTH	Sam	Candler,	NC	559	5 Watts
AC4QX	Lauren	Cary,	NC	339	5 Watts
KE4DWB	Fred	Roanoke Rapids,	NC	349	5 Watts
AA4XX	Paul	Raleigh,	NC	(NCS)	5 Watts

72, Paul AA4XX

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: JKXM17A@prodigy.com (ALLEN SMITH)
Subject: [7691] NC40A problem
Message-ID: <199604251414.KAB16868@mime2.prodigy.com>

I am experiencing a very noticeable "popping" in the headphones on the first element of code character each time I key the rig after the receiver has recovered.

I spoke exchanged email with N6KR on this and did try a couple of his suggestions such as disconnecting the mute line and AF ground but these steps did not help. I hate to add to Wayne's email burden again so I thought I would try the rest of the group first.

Recently I moved the KC-1 to the front panel and this has aggravated the popping condition even more, so much that I have resorted to an external MFJ keyer. There is no popping effect when using this external keyer through the rig's standard rear panel key jack. This is too bad because I do like the convenience of the KC-1.

I suspect this something to do with the ACG circuit. Has anyone experienced and resolved this problem?

72/Allen - AA0YU

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: Nick Franco <kf2ph@bnl.gov>
Subject: [7698] Pixie2 Dual Band Photos
Message-ID: <317FE753.24D1@bnl.gov>

Greetings,

A while ago I was having regular email chats with Denis Englander - K06GF. We discussed a dual band Pixie2 rig in an Altoids tin. Denis sent me two of these tins and a couple of pix of his dual band Pixie to encourage me to get on the stick and build what we talked about. He used an IC socket as a crystal socket on the outside of the tin to interchange freq's on each band. I came out real fine.

I finally got around to scanning these pix and put them up on my web page in the Amateur Radio link. The scans are horrible but the rig is great. I thought maybe some of you guys would want to take a look. I

also added a whirlgif graphic, but that will only work if you have Netscape 2.0

Have a great night all - I'll be on 30m Mobile/CW/QRP on the way home.

72
Nick

--
Nicholas J. Franco <>< BROOKHAVEN NATIONAL LABORATORY
Sr. Systems Specialist RHIC Project - Building 1005 - Room 201
Tel: (516) 344-5467 Fax: (516) 344-3674 UPTON, N.Y. 11973-5000
Email: kf2ph@bnl.gov <http://www.rhichome.bnl.gov/People/franco>

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: Larry East <LVE1@inel.gov>
Subject: [7677] Problem with RoPS program...
Message-ID: <2.2.16.19960425155800.0e37a3e2@134.20.32.17>

I made the unhappy discovery last night that the RoPS PostScript file viewer that I thought was to great has a problem with multiple page "structured" PS files -- each page just over-writes the previous page(s) on the screen! Since the program prints by sending a screen bitmap to the printer, it prints that way also. Anyone else seen this, or is my system just screwed up? (You can test it with the 8044.PS file in the QRP-L archives, under "components" I believe.) I sent an email query to the program's author so maybe I'll get some info sooner or later; I'll posting anything that I get.

By the way, PS files can be generated from Windows by installing a PostScript printer driver (for example, LaserJet III Postscript) and then specifying under "setup", "options" that output is to go to an "encapsulated postscript file". Also check the "send header with each job" box.

72, Larry W1HUE/7

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: torell@sicom.com (Kent Torell)
Subject: [7699] Propagation for QRPTTF
Message-ID: <v02130503ada58b36d5be@[192.91.202.41]>

Early estimates from the ionospheric guys claim it should be a nice quiet

saturday (no geomagnetic storms) and typical solar flux around 72.
Following is some data I excerpted from this morning's reports:

HF propagation conditions were normal over all regions.
No changes are expected through 27 April inclusive. Normal
propagation should continue.

There is a network of stations around the world that do hourly probing of
the ionosphere. I've excerpted results from yesterday (4-24) from
locations in the continental US.

LIST OF REPORTING STATIONS

WLP = Wallops Island VA	USA	(N37W075)
VBG = Vandenberg AFB CA	USA	(N34W120)
DYS = Dyess AFB TX	USA	(N32W099)

MAXIMUM USABLE FREQUENCIES FOR 3000 KM PATHS (MHz) - MUF(3000)

	WLP	VBG	DYS
00Z:	15.0	15.8	19.5
01Z:	10.9	16.3	17.2
02Z:	8.1	15.4	13.3
03Z:	7.8	11.9	10.2
04Z:	8.1	10.2	7.8
05Z:	8.1	9.9	9.3
06Z:			
07Z:	9.2	11.4	8.7
08Z:	B	9.3	9.3
09Z:	8.8	10.5	10.8
10Z:	11.2	9.9	9.0
11Z:	12.9	9.6	8.4
12Z:	15.1	9.6	13.3
13Z:	17.0	13.4	15.1
14Z:	15.3	15.1	16.3
15Z:	17.2	14.3	16.2
16Z:	15.3	14.7	17.8
17Z:	15.5	16.3	16.5
18Z:	15.0	15.9	20.1
19Z:	15.8	16.2	17.7
20Z:	15.3	15.7	18.9
21Z:	16.4	19.4	19.8
22Z:	18.5	21.9	20.1
23Z:	17.0	23.4	22.4

OBSERVED CRITICAL F2 LAYER FREQUENCIES (MHz)

(this is the frequency, above which a signal, radiated straight up, will punch through the F2 layer. Useful for NVIS estimation.)

	WLP	VBG	DYS
	----	----	----
00Z:	4.4	5.1	5.9
01Z:	3.3	5.1	5.2
02Z:	2.7	4.4	3.9
03Z:	2.7	3.6	3.1
04Z:	2.8	3.3	3.0
05Z:	2.8	3.2	3.0
06Z:			
07Z:	2.7	3.0	2.9
08Z:	B	3.2	2.9
09Z:	2.6	3.4	3.0
10Z:	3.2	3.2	2.8
11Z:	3.9	3.1	3.0
12Z:	4.3	3.1	3.7
13Z:	4.6	4.2	4.3
14Z:	5.1	4.3	4.8
15Z:	4.4	4.6	4.9
16Z:	5.1	4.9	5.4
17Z:	5.0	5.1	5.7
18Z:	5.0	5.3	6.1
19Z:	5.1	5.6	5.9
20Z:	5.1	5.6	6.3
21Z:	5.3	6.7	6.6
22Z:	5.6	7.3	6.5
23Z:	5.5	7.3	6.6

LIST OF REPORTING STATIONS

WLP = Wallops Island VA	USA	(N37W075)
VBG = Vandenberg AFB CA	USA	(N34W120)
DYS = Dyess AFB TX	USA	(N32W099)

B means complete absorbtion....the receiver couldn't hear the probe signal

72, ab7oa

Kent Torell torell@sicom.com 602-483-2867 x40
SICOM 7585 E. Redfield, #202 Scottsdale, AZ 85260

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: Kelly <kelman@dialnet.net>
Subject: [7657] QRP FD info?
Message-ID: <199604250408.XAA24974@shell.dialnet.net>

Hi,

Somehow I lost my info on the QRP FD this weekend. Could someone send me the INFO? I would sure appreciate it. Thank you.

73, Kelly - WB0WQS

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: Brad Mugleston <bmug@gwl.com>
Subject: [7670] qrp to the field
Message-ID: <199604251403.AA01526@gp-ipc28.gwl.com>

> Just to let every one know there will be some NOVICE/TECHS on this weekend so
PLEASE check those freqs.

>

> CQC will have at least 3 operators on these bands, some will be on a 35 foot
> sail boat so why don't you check the bands every so often.

>

>

> Thanks,

>

> de KB0ROL, Brad

>

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: Doug Hendricks <ki6ds@telis.org>
Subject: [7662] QRP to the Field Reports and Pictures
Message-ID: <317F1B19.E64@telis.org>

Guys, I will hold the deadline for QRPP until next week May 1. Please email your reports directly to me. DO NOT ENCODE them and send as attachments. Please send as regular email. Also, get those pictures developed and shipped to me asap. Use the 1 hour developing service on

Sunday and get them to me via priority mail if you want them in the June issue. We need nice clear prints with lots of contrast and close enough to see detail. Check out the pictures in the last issue of Bob Dyer and Bil Paul to see what I mean of closeup. We want to see stations, rigs, antenna supports, group pictures, operating shots, antenna raisings, hell raising, just about anything that you do, but PLEASE get the pictures to me as fast as possible.

I also need writeups. Give us a thumbnail sketch of what your group did. Write it in the QRPP style, friendly and descriptive. I will be operating my call KI6DS and will probably be mostly on CW, but may show up on SSB. Have a good time and see you on the bands. 72, Doug
KI6DS/5 this weekend!!

From owner-qrp-l@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: BWHITTEM@mailgw.sanders.lockheed.com
Subject: [7690] qttf
Message-ID: <17fca6f0@mailgw.sanders.lockheed.com>

well i cant make it out to qttf as i will be leading a boy
scout troop on a whitewater canoeing trip both days. ill try
to hand out some qs in the eavenings from home but thats all
i can do.
good luck to all
73/72
de wb1edi qrp-l 51 neqrp 431
barry

From owner-qrp-l@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: JEVERHART@cayman.vf.mmc.com
Subject: [7679] QTTF/80 meters daytime
Message-ID: <960425120109.2421d106@carib.vf.mmc.com>

Gang, I really intended to include you all with a cc, but forgot, so here's a forward pass...

*****FORWARDED MESSAGE*****

From owner-qrp-l@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: wa5whn@ix.netcom.com (Jay Miller)
Subject: [7673] QTTF/NorCal Web Page
Message-ID: <199604251442.HAA12888@dfw-ix10.ix.netcom.com>

I can not say enough nice kudos about the information contained in the NorCal QRP Club web page, including the QTTF data & other information. WA6OWR, excellent job Amigo.

So, those of You looking for "QRP To The Field" information, check out the Web Page. Those looking for 40-9er data, it's there.

<http://www.fix.net/norcal.html>

Live from Riley, NM (Ghost Town), April 27th, for the "NorCal QRP To the Field #2", WA5WHN & his merry band of rattlesnakes, scorpions (The Real Ones, for those of You from Arizona) & QRPers. Geez, think that is a bunch to behold. Well, at least we are amongst friends ;-)

...Jay

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: "N100Q Tom R. @ MR01 25-Apr-1996 1338" <randolph@est.ENET.dec.com>
Subject: [7686] R1 as "back end" ?
Message-ID: <9604251746.AA03924@us4rmc.pko.dec.com>

QRPers,

Anyone ever given any thought to using the KK7B R1 direct conversion receiver as the "back-end" of a high-performance superhet? This would involve designing a front end: (preamp), preselector, mixer, amp, xtal filter, amp, and then tacking on the R1 as a product detector/audio stage. The only problem I can see immediately is: too much gain. The R1 has about 80 dB audio gain, which is probably way more than needed if some RF gain preceeds the "product detector".

I'd be interested in anyone's thoughts...

-Tom R. N100Q randolph@est.enet.dec.com

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: lhalliday@creo.bc.ca
Subject: [7708] Re[2]: Problem with RoPS program...
Message-ID: <9603258304.AA830478872@mail.creo.bc.ca>

As somebody who is actually paid to do things with PostScript...

PDF is Adobe's Portable Document Format, which is not PostScript, and is not directly printable (yet?), but is a platform-independent way of showing text, fonts, images, and so on.

The programs that turn PostScript into PDF are sold under names like Acrobat Exchange, including things like Distiller (PS -> PDF), and cost money. With Acrobat Exchange's help, applications (e.g. FrameMaker, Quark XPress) can emit PDF instead of PostScript when they print.

The program that reads PDF and displays it is Acrobat Reader, which you can ftp from Adobe. It uses the system's print facilities to print things - and if you print PostScript to a file, you can turn arbitrary insane PostScript into clean, well-behaved PostScript.

Laura Halliday VE7LDH	"C'est une femme mutine, assez
lhalliday@creo.bc.ca	elegante, grave et legere, ayant le
ve7ldh@amsat.org	sens du confort et du plaisir
Locator: CN89mg	en tout." - C. Deneuve

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: lhalliday@creo.bc.ca
Subject: [7696] Re[2]: Super efficient class E amp
Message-ID: <9603258304.AA830463872@mail.creo.bc.ca>

Bear in mind that, regardless of SPICE models and results (and the reliability thereof), the theoretical maximum efficiency of Class D and E amplifiers *is* 100%.

This assumes zero switching time, zero RsubDS(on) and infinity RsubDS(off). Real power MOSFETs are only approximations, with nanoseconds of switching time, RsubDS(on) less than an ohm, and RsubDS(off) many megohms.

Real amplifiers can easily exceed 90% efficiency. Look at that Class D transmitter that was in RadComm a while back. Or that hulking ISM amplifier that was in RF Design last year.

I'm reminded of modern electric trolley busses and trains that switch many kilowatts with no apparent heatsinks or fans. The technology that makes them possible is closely related...

Laura Halliday VE7LDH	"C'est une femme mutine, assez
lhalliday@creo.bc.ca	elegante, grave et legere, ayant le
ve7ldh@amsat.org	sens du confort et du plaisir

Locator: CN89mg

en tout." - C. Deneuve

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996

From: Doug Hendricks <ki6ds@telis.org>

Subject: [7663] ST. LOUIS TUNER SHIPPING UPDATE

Message-ID: <317F195A.4928@telis.org>

I shipped ST. Louis Tuners up to and including #168 today. By the way, if your club is planning on offering a kit, check the prices for shipment to Japan before you factor the foreign shipping. The St. Louis Tuner Kit is \$20.45 for shipping via small packet air to Japan!! I am glad that we only sold 3 over there!!

I will ship 12 more kits tomorrow, and then there will be a hold on shipping. I am going to Riley, NM for QRP to the Field #2. It is going to be really neat. I will finally get to meet all the guys from NM, and Chuck Adams, K5F0 will also be there, and we are good friends and always have a good time together. I love to sit around and pick his brain. He has a good feel for what will and will not fly in the world of QRP. It will be fun to see what ideas come out of this weekend. Friday I will teach school from 8 to 3:30, drive to Oakland and catch a plane at 6:30 and arrive at Albuquerque at 11:15 where Jay Miller and Chuck will pick me up. Sorry no shipping this weekend.

Plus, I must stop shipping the tuners next week so that I may finish up the June issue of QRPP and get it to the printer. Shipping of St. Louis Tuners will resume the following week. Thank you for your patience and understanding. 72, Doug

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996

From: robert fowle <hammarlund@voyager.net>

Subject: [7692] Thordarson #T-47109 xfmr.

Message-ID: <199604251746.NAA25647@vixa.voyager.net>

have Thordarson #T-47109 xfmr. offer - or - trade
it's taps are marked as follows:

2.5V		10A
0	CT	0
	0	

	o		o		o
	10v		ct		3.25a
	o		o		o
	5v		3a		5v
					3a
o		o		o	o
	PRI			6.9v	1a

=====] -[->
 Robert Fowle KC8DBC
 The HAMMARLUND Historian
 Ph. voice or fax 517-789-6721
 1215 Winifred
 Jackson, Mich. 49202-1946
 E-mail at: hammarlund@vixa.voyager.net
 HAMMARLUND LITERATURE WANTED
 WANTED: MANUALS FOR ANY MAKE RADIO EQUIPMENT
 =====] -[->

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
 From: Brad Mugleston <bmug@gwl.com>
 Subject: [7671] travel
 Message-ID: <199604251402.AA01522@gp-ipc28.gwl.com>

> Gang,
 >
 > I just go back from my 3 states in 3 fun filled days trip. I have a question,
 > is there a list some where that identifies hotels/motels that have either
 > windows that open or balconies?
 >
 > The Embassy Suites in Tampa, FL. has a small balcony (about 2 feet deep) where
 > you could drop a long wire. The Holiday Inn in Calverton, MD does not give
 > access to the outside world.
 >
 > If I would have known about Tampa I would have taken my Explorer II and my
 > tuner, but from past trips and not being able to even get out on 2M I left
 > without a radio ;^(.
 >
 > If there isn't such a list, and everyone thinks we should start one, I might
 be

> talked into putting one together.

>

>

> de KB0ROL, Brad

>

This got sent back to me so I hope its not a dup. Thanks

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996

From: NYOUNG@desire.wright.edu

Subject: [7676] Way Cool! & other stuff

Message-ID: <01I3YGQM95BC8YFJ68@desire.wright.edu>

I'd just sat down after dinner last night, tuning around with the Argosy (which is another story) and heard a weakie callin' CQ. Turned out to be Jeff Gold. I responded and he came back. It was pretty cool, running into someone else that I know is just about as nuts as I am. A couple exponential functions less, to be sure, but nearly as nuts is good enough.

Anyway, we had a short conversation and then I signed off. Time for bed, sez me. Truth, too, since I was getting to that point of my day when the eyelids don't wanna cooperate with the neurons. Ennervation I think it's called. That and my CW was getting pretty close to mandarin on a wall poster too.

That kinda thing should happen more offen. The qso, not the sleepy-head stuff. I have been listening for days for a weakie signal around 7040 that might turn into a qso with a 49er user. I mean, I'm getting quite a collection of Altoid boxes now. And Cindy always asks me when I grab one at the store "How many radios are you gonna build?" I dunno. If I knw that, I'd be in charge and we'd all be in troubel.

So that's the deal. The rest of us should get on the air more often, eh?

73

Nils

WB8IJN +c

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996

From: Jeff Gold <JMG@tntech.edu>

Subject: [7668] way cool!!!

Message-ID: <01I3YAG1ELCY989TES@tntech.edu>

found about 20 minutes last night to sneak into the shack after a 14 hour work day. Called CW on 40 meters about once or twice with my OHR400. Was VERY pleasantly surprised when a list member came back. Rag chewed for a while.

I just really enjoy knowing the person on the other end of the radio wave is most probably interested in QRP as much as I am and gives you something neat to talk about.

72

Jeff, AC4HF

From owner-qrp-l@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: Mike Czuhajewski <wa8mcq@u1.abs.net>
Subject: [7712] Re 40-9er chokes
Message-ID: <Pine.BSI.3.91.960425223657.8869A-100000@u1.abs.net>

My thanks to Bob Kellog, AE4IC, and Alan Kaul, W6RCL, who sent me some encapsulated RF chokes from their 40-9ers. I put the three coils on my Boonton 260A Q meter, and here's what I got:

Marked as 2.2 uH: 2.08 uH, Q of 102 @ 7.9 MHz (from the filter)

Marked as 15 uH: 15.2 uH, Q of 70 @ 2.5 MHz (collector RF choke)

Marked as 2.2 uH: 2.3 uH, Q of 94 @ 7.9 MHz (from the filter)

(While Q of inductors can be measured at any frequency at which a coil can be resonated with the 30 to 460 pF of the variable cap in the Boonton, I used the "standard" frequencies for which the cap dial is calibrated directly in inductance, avoiding some number punching on the scientific calculator.)

Both of the 2.2 uH coils are well within 10% of their nominal values, and the Q values aren't all that bad; based on some calculations I did a while back with variations in component values of the 40-9er filter, I wouldn't expect them to make a great deal of difference--and they didn't.

Here's what I got when I plugged things into GPLA (the Wes Hayward analysis program that comes with his RF book from ARRL)--topology is the standard 40-9er 3 element filter with 270 pF at the input and 470 pF at the output. I used a somewhat arbitrary (but realistic) value of 150 ohms as the collector impedance.

2.2 uH, Q = 250 0.3 dB insertion loss at 17 MHz, 16 dB at 14 MHz

2.08 uH, Q = 102 0.31 dB at 7 MHz, 15.8 at 14 MHz
2.3 uH, Q = 94 0.49 dB at 7 MHz, 17 at 14 MHz

The first Q value of 250 is the default selected by GPLA. With the 2.3 uH filter the lowest insertion loss was about 0.34 dB, but that was several hundred KHz below the 40 meter band.

Using typical, "real world" chokes --a bit off the nominal value and relatively low Q-- for the 40-9er is not of itself a major problem, or at least doesn't account for a great deal of variation from more ideal parts (ie, a Q of 250 and exact value). But as pointed out in a few postings recently, you have potential for trouble because solenoidal chokes are not self-shielding like toroids are, and can couple to other parts.

The chokes they sent me were the small, green encapsulated type. One interesting feature of coils of this general sort, which I've noted on numerous occasions when I used to work part time in a ham store fixing rigs that used a lot of them, is that they can open up without giving any visible symptoms--no scorch marks, cracks, etc, none of the subtle clues that sometimes help us in troubleshooting.

I fixed W6TOYs NE4040 rig a while back (as detailed on qrp-l and in the Idea Exchange in the QRP Quarterly)--the rig uses a coil of this sort ahead of the crystal filter, and the one in his was completely open. There was enough capacitive coupling between the leads that a fair amount of signal was leaking past it, so the rig wasn't totally deaf, but he was complaining of low audio. He wanted to add an additional audio amp to it, but I got him to hold off until he let me look at the rig. When I fixed it, I replaced it with a toroid with real wire, thick enough to be visible to the naked eye, and out in the open, not hair-thin wire hidden from sight under epoxy :-)

When the postings on 40-9er harmonics started appearing, I wrote up a posting about 3 element low pass filters, describing some characteristics and showing what sort of performance could be expected from such a simple filter. (The short answer is "not very good unless you are willing to put a fair amount of work into the design and construction".) I rewrote it several times as the weeks went by but never posted it. I'm between rewrites again, but might go ahead and post it anyhow, complete with warnings and caveats about its unfinished and rough state; I did send it privately to a few people and no one has found anything seriously wrong with it, so I might pass it on as-is, since it does at least get the basic idea across.

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: Bob Hirsch <bobh@p3.net>
Subject: [7689] Re: 624 address
Message-ID: <1.5.4.32.19960425183434.0067fd3c@p3.net>

At 11:56 4.26.96 -0500, you wrote:
>Anyone have an e-mail address for 624 KITS???
>
>Or a snail-mail address and fone number will do...
>
>many tnx....
>
>cleve/wd5bor
>
As follows:

624 Kits
171 Springlake Drive
Spartanburg, SC 29302
USA

Phone: 803-573-6677

=====
73 es CUL de KE30B

Bob Hirsch
bobh@p3.net
qrp-arci #8700
qrp-1 #450
ARRL
=====

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: "John Kirk, VE6XT" <jakirk@freenet.calgary.ab.ca>
Subject: [7702] Re: 624 address
Message-ID: <Pine.A32.3.92.960425172939.7446A-1000000@srv1.freenet.calgary.ab.ca>

Hi:
Pat's email adr is PBUNN624@aol.com
73
John

On Fri, 26 Apr 1996, Cleve Massey wrote:

> Anyone have an e-mail address for 624 KITS???
>
> Or a snail-mail address and fone number will do...
>
> many tnx....
>
> cleve/wd5bor
>
>
>
>

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: "Richard A. Stern" <Richard.A.Stern.1@gsfc.nasa.gov>
Subject: [7688] Re: Antenna switch - the bane of my front end?
Message-ID: <199604251826.0AA20041@popa.gsfc.nasa.gov>

At 10:25 AM 4/25/96 -0700, you wrote:

>Geez, anyone understand this? I sent a note about my B&W antenna
>switch seeming to introduce all sorts of garbage to my receivers
>coming through it due to strong local AM BC. It goes away if I
>connect my antenna directly though to my receivers. It also goes
>away if I put a good bandpass tuner in line.
>
>WA3JPG
>
>
>

Maybe, grounding the switch case or something going on with
the magical grounding gods!!

de Rich

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: "Ahlgren Jukka (NTC/BS-OU)" <Ahlgren@ncsbsr02ou.ntc.nokia.com>
Subject: [7661] Re: CW Mobile
Message-ID: <317F484A@ncsbsr01ou.ntc.nokia.com>

>From: owner-qrp-l
>To: Low Power Amateur Radio Discussion
>Subject: Re: CW Mobile
>Date: 24. April 1996 8:17
>
>On Tue, 23 Apr 1996 kf8at@detroit.ampr.org wrote:
>
>>
>> CW can be safe too, but one has to be very careful!
>
>Yep. Same goes for talking to others in the car, looking at
>all the road signs and all the other things we do while driving.
>
>> I do know of a ham that ran quite a bit of CW in his drive to and from
>> work. He became a SK in an auto crash and it is suspected that he may
>> not
>> have been paying as much attention to his driving as he should have
>> because
>> he
>> may have been in the middle of a QSO at the time of the accident.
>
>This is typical knee jerk reactions. Because he MIGHT have been distracted
>by CW.....? He might also have been distracted by sneezing, a bird flying
>in front of him, an external loud noise.....almost anything COULD have
>contributed to his crash.
>
>CW takes no more attention than anything else we do while driving and
>much less than dialing the numbers on a cell phone. But my point here
>is not to defend mobile CW but to suggest reserving blame to facts
>and not to what might have been. (We could overload the whole internet
>with all the "might have beens"!)
>
>>
>> Don't mean to be a killjoy, but driving is a serious activity!
>
>I agree.

>Thanks, 73, Ron
>

Help!

I must have been a dangerous driver a couple years ago,
when I used to work CW (sometimes phone) while driving home
from my job. I had a common hand key between the seats!
(didn't have a mobile keyer). My left hand was kept on the
steering wheel and right hand was sending CW of 20 wpm...

I made a lot of good QSOs including a bunch of DXs on 10m.
In fact - I worked all the continents on 10m CW from the mobile.
The rig was an old ICOM IC701 and the antenna was a 4-foot
CB whip. The power was around 50 watts, so that wasn't QRP -sri!

Mobile working is certainly at least as safe as using a mobile phone.
You can turn a vfo knob without seeing the dial. But - when
working CW - one hand is always occupied by the key. You must
have a short breaks from keying when the hand is needed for driving.

73, Jukka OH6SC/8

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: "Robert J. Gobrick" <rgobrick@nfld.com>
Subject: [7705] Re: GQRP - "Four Days in May (c)" QRP Symposium - APRIL 96
Message-ID: <2.2.32.19960424231027.0075f9f4@public.compuser.net>

Dave - with the plastic key with a keyer attached - hi.

Yes I'll be there Wednesday evening. Flying into Columbus Ohio and driving
up to Days Inn South Dayton.

Why don't you make an announcement on qrp-1 and dayton-1 to get something
going for a Wednesday night informal "call-in". I am not sure if QRP ARCI
has the hospitality room available for Wednesday night so we may have to
make the DISD Lounge the "meetin" place.

So go for it..

73/72 Bob V01DRB/WA6ERB

PS: The more time you spend at Dayton talking QRP the better you'll feel....

At 10:33 4/25/96 -0700, you wrote:

>Hi I am arriving at Dayton wednesday afternoon (driving from DENVER!!) and I
>am wondering if you might be able to suggest a get together for QRPers arriving
>early for FDI?

>

>I'm hoping to remember to bring my little WHITEROCK keyer-in-paddle arrangement
>(we had discussed by e-mail some time back) to show & tell.

>

>Anyway, just writing on the theory that you're on the internet and involved
>in FDI. I'll be staying at the daze inn south (unless my booking gets fouled

>at the last minute, in which case I'm sleeping on the ground).

>

>73 Dave WB0GAZ dgf@netcom.com

>

```
-----
| Bob Gobrick - V01DRB/WA6ERB/VE2DRB - Newfoundland, Canada |
| QRPer Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |
| Internet:      rgobrick@nfld.com |
|                bgobrick@nlnet.nf.ca |
| Compuserve:   70466.1405@compuserve.com |
|-----
```

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996

From: "David D. Meacham" <ddm@datatamers.com>

Subject: [7709] Re: GQRP - "Four Days in May (c)" QRP Symposium - APRIL 96 UPDATE (REAL LONG)

Message-ID: <Pine.LNX.3.91.960425181422.26211A-1000000@dt1.datatamers.com>

Bob,

Stan, K4DRD, & I will be arriving Wed. eve also. How about a 2-meter get-together frequency?

72, Dave, W6EMD

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996

From: "Ahlgren Jukka (NTC/BS-OU)" <Ahlgren@ncsbsr02ou.ntc.nokia.com>

Subject: [7665] Re: ICOM 706 Tune-up

Message-ID: <317F77F9@ncsbsr01ou.ntc.nokia.com>

>

>The PTT is a jack for the RTTY circuit to key the transmitter.

>Maybe you could rig a switch to use this for tune up.

>

>

>=====

>NCARC Superfest, June 1st, Larimer County Fairgrounds, Colorado

>=====

>7.3 de Michael AA0UB miker@cc.com michael@frii.com

> http://www.frii.com/~michael

> QRP-L #126 Norcal #857 CQC #180

>=====

I have an old IC 701. The instruction manual advises doing the tune-up in RTTY mode, so the operator can put a continuous carrier on the air just pressing the ptt or using "transmit/receive" switch.

Jukka OH6SC/8

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [7666] Re: Need E-Mail add.
Message-ID: <199604251216.MAA21688@chuck.dallas.sgi.com>

Arthur,

Jim Cates, WA6GER, does not have an email address and probably never will.

Not everyone has to be on the super-info-highway. :-)

dit dit

--

Chuck Adams (K5FO CP-60) adams@sgi.com
30M 1996 Study Qs=000 States=00 Confirmed=00 DX=00

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: Jim Eshleman <lujce@hooch.CC.Lehigh.EDU>
Subject: [7658] Re: PostScript Viewer/Printer
Message-ID: <96Apr25.001648-0400edt.65552-14523+7@hooch.CC.Lehigh.EDU>

Gang,

The RoPS program (16 and 32 bit versions) can be had via:

ftp://ftp.lehigh.edu/pub/listserv/qrp-1/tools/rops1643.zip
ftp://ftp.lehigh.edu/pub/listserv/qrp-1/tools/rops3243.zip

Also gzip124.zip has been available at:

ftp://ftp.lehigh.edu/pub/listserv/qrp-1/tools/gzip124.zip

I'll try to store the README file associated with each of the packages in the tools directory as soon as I can, as suggested by Larry, W1HUE/7.

In the meantime, you can get some idea of what all these files are by sending the command:

INDEX QRP-L/TOOLS

to listserv@Lehigh.EDU in the body of an e-mail. The output is appended below. Enjoy!

73

Jim N3VXI

Archive: tools (path: qrp-l/tools) -- Files:

- gs261286.zip (1 part, 212181 bytes) -- gs v2.6.1 exe for 286 machines
- gs261386.zip (1 part, 404280 bytes) -- gs v2.6.1 exe with extend. mem for 386/486s
- gs261ini.zip (1 part, 335951 bytes) -- required files plus examples for gs ver 2.6.1
- gs261win.zip (1 part, 294460 bytes) -- gs v2.6.1 exe for windows
- qrp_call.zip (1 part, 7828 bytes) -- sort QRP-L recipients list by call area
- gc.c (1 part, 4873 bytes) -- Great Circle distance program
- fielday.exe (1 part, 239616 bytes) -- VE3SY logging program
- wr9r_300.exe (1 part, 57185 bytes) -- WR9R logging program
- wr9r_301.exe (1 part, 70880 bytes) -- WR9R logging program
- gzip124.zip (1 part, 116919 bytes) -- GNU (un)compress utility
- fds124.txt (1 part, 325 bytes) -- Filter Design System 1.24
- fds124.zip (1 part, 55355 bytes) -- Filter Design System 1.24
- uudecode.zip (1 part, 25533 bytes) -- Freeware PC uuencode/uudecode
- fds200a.zip (1 part, 163933 bytes) -- Filter Design System 2.00
- rufz.zip (1 part, 61848 bytes) -- RUFZ 2.12e PC Contest Simulation - DL4MM
- pcbdsk1.zip (1 part, 1305070 bytes) -- Protel Advanced PCB 2.5 Demo Disk 1
- pcbdsk2.zip (1 part, 1069001 bytes) -- Protel Advanced PCB 2.5 Demo Disk 2
- schdsk1.zip (1 part, 1299100 bytes) -- Protel Advanced Schematic 2.3 Demo Disk 1
- schdsk2.zip (1 part, 1065331 bytes) -- Protel Advanced Schematic 2.3 Demo Disk 2
- easytrax.zip (1 part, 957266 bytes) -- Protel Easytrax (DOS) Freeware 2.06
- hcal-15.txt (1 part, 610 bytes) -- HamCalc 15 - VE3ERP
- hcal-15.zip (1 part, 613637 bytes) -- HamCalc 15 - VE3ERP
- rops1643.zip (1 part, 338987 bytes) -- Rogers PostScript interpreter (16-bit)
- rops3243.zip (1 part, 380599 bytes) -- Rogers PostScript interpreter (32-bit)

From owner-qrp-l@Lehigh.EDU Thu Apr 25 22:35:16 1996

From: randy foltz <rfoltz@wsunix.wsu.edu>

Subject: [7700] Re: Problem with RoPS program...

Message-ID: <Pine.OSF.3.91.960425154143.14773C-100000@unicorn.it.wsu.edu>

Larry,

Nope your system is not screwed up. The same thing happened to me with the 8044.ps file. It did it on a PC and on a NEXT machine. It sure did look cute to see 10 pages stacked on top of each other on the monitor!

The computer jock fixed it by converting the ps file to an Adobe Portable Document Format (PDF). Then we were able to print it.

Hope this helps a bit.

72,
Randy
WB5QMP ARCI QRP-L NORCAL NWQRP
Moscow, ID

From owner-qrp-l@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [7703] Re: Problem with RoPS program...
Message-ID: <Pine.SOL.3.91.960425195321.4792E-100000@utkux4.utcc.utk.edu>

On Thu, 25 Apr 1996, randy foltz wrote:

>
> The computer jock fixed it by converting the ps file to an Adobe Portable
> Document Format (PDF). Then we were able to print it.

Have heard of a program--possibly shareware--called Adobe Acrobat that is supposed to convert PS into PDF or something similar that is standard laser printable. Wonder if that is what was used or whether anyone has used the program.

-73-
LB, W4RNL

From owner-qrp-l@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: randy foltz <rfoltz@wsunix.wsu.edu>
Subject: [7704] Re: Problem with RoPS program...
Message-ID: <Pine.OSF.3.91.960425170051.20691B-100000@unicorn.it.wsu.edu>

Adobe acrobat is available at <http://www.adobe.com> by choosing the get acrobat icon. This is what I used to print the 8044.ps file.

Should have included it in the first round. Sorry.

Randy

WB5QMP ARCI QRP-L NORCAL NWQRP
Moscow, ID

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
Subject: [7706] Re: R1 as "back end" ?
Message-ID: <199604260026.UAA17743@brutus.bright.net>

At least one of the R2 kits that is out there is doing just that. I have had a couple of calls from the owner to let me know about it. He has put it in a Collins KWM-380, and says it makes it a "completely different receiver". He had a lot of good things to say about it.

73
73 - Bill Kelsey - N8ET
Kanga US
kanga@bright.net
419-423-4604
<http://qrp.cc.nd.edu/kanga/>

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: Tim Pettibone <tpettibo@nmsu.edu>
Subject: [7680] Re: ST. LOUIS TUNER SHIPPING UPDATE
Message-ID: <199604251641.KAA06831@NMSU.Edu>

Doug:

Looking forward to seeing you at Riley! Got my St. Louis Tuner Kit day before yesterday. Opened it, looked at the parts, board and cabinet, and tossed it up on top of my desk high boy along with the KC1, 40-9er, and two OHR kits. When do you guys get time to build the darned things? The tuner looks like it will be fun (and wish I had it done for Riley!)

Tim AB50U
Las Cruces, NM

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996

From: "N100Q Tom R. @ MR01 25-Apr-1996 0846" <randolph@est.ENET.dec.com>
Subject: [7667] re: Super efficient class E amp
Message-ID: <9604251257.AA08753@us4rnc.pko.dec.com>

> Have any of you any experience with class E amplifiers ? A grad student here
> at USCB is doing some research on the subject. I am not sure how the amp
> works, but according to him it has a theoretical efficiency of 100%. I spice
> simulation he has reach 80 %. Not bad....

Don't rely TOO much on SPICE for such things. I've managed to get over
100% out of a SPICE model of a class C amp!

> I am going to try the design on a low power VHF transmitter (100mW), but I have
> problems finding a cheap BJT (150Mhz) that can take $I_c=200\text{mA}$. Motorola has some,
> but they are over \$ 4 (Newark).

How about a 2N3866? Pretty cheap, 500 MHz, can take about a watt.

=====
Tom Randolph N100Q NE-QRP 419 QRP-L 87 ARRL randolph@est.enet.dec.com
=====

From owner-qrp-l@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>
Subject: [7682] re: Super efficient class E amp
Message-ID: <Roam.3.0.830451106.15966.myers@bigboy>

Tom (N100Q) wrote:

> > Have any of you any experience with class E amplifiers ? A grad student
> here > at USCB is doing some research on the subject. I am not sure how the
> amp > works, but according to him it has a theoretical efficiency of 100%. I
> spice > simulation he has reach 80 %. Not bad....
>
> Don't rely TOO much on SPICE for such things. I've managed to get over
> 100% out of a SPICE model of a class C amp!

While I share Tom's caution regarding SPICE results, it is my observation that
the output from SPICE can be quite useful if you're careful to include as much
salient detail as possible. I've modeled several large signal amplifiers under
SPICE with excellent results; I'd say the key to doing this is understanding
the difference between the AC small-signal analysis the transient
(large-signal) analysis. Whenever you see results that don't quite make
sense, spend some time looking at your model to see what you're missing. Also,
don't forget that those SPICE models don't blow up when their ratings are
exceeded; it is pretty easy to think "wow! 2W out from a 2N2222A" when a real

2N2222A would be letting out smoke.

Make sure your models, particularly the semiconductor models, include the necessary data to do meaningful transient analysis, and maybe even run some simplified simulations to make sure the model behaves as expected.

Dana

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: QLF%mimi@magic.itg.ti.com
Subject: [7683] re: Super efficient class E amp
Message-ID: <9604251715.AA24469@itg.ti.com>

From: Brad Bradfield QLF

Subj: re: Super efficient class E amp

> Whenever you see results that don't quite make sense, spend some time looking
> at your model to see what you're missing.

To Dana's excellent comment above, I would add that working with Spice (or most simulators, for that matter) is a lot like using a slide rule. (You do remember slip sticks don't you??) You'd better have an idea of the approximate magnitude of your answer or it'll come back to bite you every time.

I once had a 5kW (OK, so it wasn't QRP) Collins AM broadcast transmitter that operated class-D. All the modulator was was a big switch. Unbelievable efficiency and linearity. Class-E is similar.

73's y'all,

Brad, WB0CGH

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: "Ahlgren Jukka (NTC/BS-OU)" <Ahlgren@ncsbsr02ou.ntc.nokia.com>
Subject: [7660] RE: Ten Tec SWR/Power Meter?
Message-ID: <317F3DDD@ncsbsr01ou.ntc.nokia.com>

>This has my interest as it evidently also covers 2m for which I'm also
>presently in the need for a pwr/swr meter. Looking for opinions on
>assembly and functioning - HF and VHF.....how does it stack up with the

>OHR meter (HF)?
>
>TNX, Greg, KD4HZ
>

Well, we must remember, that getting accurate readings on both HF and VHF with the same swr/pwr meter unit is more or less impossible. Too many compromises have to be made in designing that kind of device. A better way is to purchase two meters - one designed for HF and another for VHF.

A couple of years ago I was measuring the output power of my 2m PA with a "wide-band" swr/pwr meter. I was expecting an output power of 25 watts with a 4A/13.8V power supply. The meter reading was 40 watts!

-Just a couple of thoughts...

73, Jukka OH6SC/8

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: "Lau, Zack, KH6CP" <zlau@arrl.org>
Subject: [7695] RE: Ten Tec wattmeter
Message-ID: <317FDB4F@arrl.org>

However, the Ten Tec wattmeter allows you to leave your HF and 2 meter rigs connected all the time--sounds like they use separate sensors, eliminating the problem Jukka suggests. With the high cost of good meters, this might even be a good idea for homebrew versions.

Zack KH6CP/1

>Well, we must remember, that getting accurate readings on both
>HF and VHF with the same swr/pwr meter unit is more or less impossible.
>Too many compromises have to be made in designing that
>kind of device. A better way is to purchase two meters -
>one designed for HF and another for VHF.
>
>
>73, Jukka OH6SC/8
>
>

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: "Richard A. Stern" <Richard.A.Stern.1@gsfc.nasa.gov>
Subject: [7678] Re:What freq. am I on?
Message-ID: <199604251558.LAA09424@popa.gsfc.nasa.gov>

At 10:41 PM 4/23/96 -0500, you wrote:

>Rich: Never had a problem figuring out what frequency I'm on but am
>interested in a freq counter count. These "dirt cheap" kits available you
>mentioned, where can I get information on these things?

>

>Allen - AA0YU

>

>

OK...maybe I meant relatively 'dirt-cheap'... There is pcb board suppliers-you supplt the parts. S&S Engineering, Townsend Electronics (HOWES kit), A&A Engineering have kits. Radio Shack might still have a assembled counter for around \$99.00 (that was a hamfestive price!) Tucker Electronics sells reconditioned types. Off hand I don't have addresses here, but, if you dig around I'm sure you'll find lots of sources. I hope this is a help.

de Rich

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: JEVERHART@carib.vf.mmc.com
Message-Id: <960425114037.2421d106@carib.vf.mmc.com>
Subject: RE: What Freqs during QTTF?

Vince, you wrote, in part:

>It may be difficult to work locals on any of these bands and I've heard
>80 is too noisy during the day. Anyone have suggestions on how we could
>best work other NJ-QRP members who are home or at other QTTF sites?

This business about 80 being too noisy during the day is one of those things that just won't die! During thunderstorm season this may be ture, but not necessariy in general My experience has been that 80 is often the *best* band for out to 200 miles or so during the day. In fact, when WA3NNA had his recent 80 meter beacon, from PA, it was solid at less than 200 mw into ARRL hq in CT! It's nother thing like the "dead 10 meters" nobody tries 80 during hte day, so it's dead!

>I'll send another copy of the NJ-QRP membership roster out today so we
>can recognize all of the calls (it easily fits on one sheet of paper :-).
>Also, that 8 acre field is so big, we may need it to tell if we're
>working another member at the same site!

Oh, right... you're kidding...

72/73,

Joe E., N2CX

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: Larry East <LVE1@inel.gov>
Subject: [7674] Re: Where Am I?
Message-ID: <2.2.16.19960425144734.25bfc4ec@134.20.32.17>

>
>Try operating +/-1KHz on SSB and you'll lose a lot of friends. Even at
>+/-50Hz I often receive caustic comments from others on the BC QRP Net!
>
You don't need a frequency counter or even a calibrated dial to get on the
other stations's frequency -- just a properly allinged transceiver and a
good ear!

From owner-qrp-1@Lehigh.EDU Thu Apr 25 22:35:16 1996
From: JCoote@aol.com
Subject: [7710] Re: Where Am I?
Message-ID: <960425215734_382981446@emout18.mail.aol.com>

In a message dated 96-04-25 13:48:39 EDT, LVE1@inel.gov (Larry East) writes:

>>Try operating +/-1KHz on SSB and you'll lose a lot of friends. Even at
>>+/-50Hz I often receive caustic comments from others on the BC QRP Net!
>>
>You don't need a frequency counter or even a calibrated dial to get on the
>other stations's frequency -- just a properly allinged transceiver and a
>good ear!

Amen to that. If you're assembling a kit with a "fixed" CW offset, you might
check it against a commerical rig (most of these are 800 Hz CW offset). You
might align your kit so the commercial rig does not need the RIT engaged for

good CW at an 800 Hz note. People are more likely to hear your QRP kit.

I have built more than one kit (brand H and others but none of today's popular kits!) which, if the directions were followed, put the CW offset wayyy out there... in the twilight zone.

73, Jay
WB6AAM

jcoote@aol.com